

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PAT 02301*PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/IB 03/002494	International filing date (day/month/year) 26-06-2003	Priority date (day/month/year) 26-06-2002
International Patent Classification (IPC) or national classification and IPC G06K 7/10, H04Q 7/32		
Applicant NOKIA CORPORATION et al		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
 - a. ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:
- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 23-01-2004	Date of completion of this report 23-09-2004
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Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/IB 03/002494

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- pages _____ as originally filed/furnished
- pages* _____ as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the drawings:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims		YES
	Claims	1, 5, 18-19	NO
Inventive step (IS)	Claims		YES
	Claims	1-19	NO
Industrial applicability (IA)	Claims	1-19	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: WO 0150224 A2
 D2: US 5640002 A
 D3: US 5604486 A
 D4: EP 0467036 A2
 D5: US 5446447 A

D1 describes a system for accessing information and services on a computer network by transmitting a request using a unique code and transmitting this code to the server. The access system 100 includes a uniquely coded radio-frequency identification tag 110 ("RF tag 110"), and a uniquely coded radio frequency read/write device 120 ("RF reader 120") for directing the operation of a user's personal communication apparatus (= user network-enabled device/computer 130). The system server computer 150 performs many of the processes associated with the access system 100, and includes a look-up database table 152 that stores the unique codes from the RF tag 110 and RF reader 120. RF tag 110 is placed in the proximity of the RF reader 120, which communicates with the user's network-enabled device such as a computer. The system server extracts and matches the RF tag's unique code against the codes in the look-up database tables, (pages 8-9, appendix A, figs. 1-5).

D2 describes a portable RF ID tag and bar code reader which includes a microcomputer which is mounted in hand held housing and is programmed to control a bar code scan engine, display and touch screen input unit. The RF ID tag reader includes a transmitter which can send RF transmissions which both supply power and commands to a passive RF ID tag in the form of an integrated circuit which has no power supply of its own, (column 1 line 58 - column 3 line 32, figs. 1-44).

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: Box V

D3 describes a RF tagging system with multiple decoding modalities. The system has a transmitter which uses various frequency ranges to detect the modality of tag and scans frequencies to read tag data pattern. The system Provides a tag reader which can be used with a range of tag devices, (column 4 line 22 - column 5 line 32, figs. 1-4).

D4 discloses a system for tracking and identifying objects that includes a number of tag units (8) having a transceiver, and a microcomputer which processes data from the signals received from one or more interrogators (7). The microcomputer applies batch collection protocols to verify communications and controls the transmitter (3), power source (6), optional display (5) and micro power wake up circuit (4). The tags are normally in low-power standby mode until interrogated, when all the tags within range respond after pseudo-random delays. Each tag reverts to standby mode after acknowledgement by the interrogator. The tags can store data for retransmission and verify communications by handshake, (column 2 line 26 - column 3 line 1, figs. 1-10).

The invention according to claims 1, 5 and 18-19 is not novel with respect to D1 or D2.

Dependent claims 2-4 and 6-17 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, involve an inventive step, since said features are well known or fall within the scope of the customary practice followed by persons skilled in the art. The solution proposed in claims 2-4 and 6-17 of the present application cannot be considered as involving an inventive step. Consequently, the invention according to the claims 2-4 and 6-17 lacks an inventive step.

Therefore, the invention according to claims 1-19 lacks novelty or an inventive step.

D5 describes the prior art of the invention.